INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/001661

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ B60H1/32			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ B60H1/32, F25B1/00			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-211953 A (Sanden Corp.), 30 July, 2003 (30.07.03), Claim 6; Par. Nos. [0014], [0025] to [0027], [0033], [0034]; Figs. 4, 6, 9, 10 & US 2003/136138 A1 & EP 1331115 A2		1-3,6,7
¥	JP 05-270255 A (Sanden Corp.), 19 October, 1993 (19.10.93), Par. Nos. [0004] to [0008], [0016], [0017], [0031], [0039]; Figs. 1 to 5 & US 5315841 A1 & EP 551008 A1 & DE 69208855 C		
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive	
o" document referring to an oral disclosure, use, exhibition or other means begin{center} Description of the international filing date but later than the		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family	
Date of the actual completion of the international search 18 March, 2005 (18.03.05)		Date of mailing of the international search report 05 April, 2005 (05.04.05)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	